



SPYWOLF

Security Audit Report



Completed on
March 16, 2023

@SPYWOLFNETWORK



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SPYWOLF.CO





OVERVIEW

This audit has been prepared for **MetaGamers** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





TABLE OF CONTENTS

Project Description	01
Contract Information	02
Current Stats	03
Vulnerability Check	04
Threat Levels	05
Found Threats	06-A/06-C
Good Practices	07
Tokenomics	08
Team Information	09
Website Analysis	10
Social Media & Online Presence	11
About SPYWOLF	12
Disclaimer	13



Meta Gamers



PROJECT DESCRIPTION

According to their website:

MetaGamers will be an open world in the Metaverse based on the latest technology which merges together, web3.0, blockchain, VR and AR. They are building an open world using Unreal Engine 5 with different subject areas.

Release Date: Presale starts in March, 2023

Category: Gaming



CONTRACT INFO

Token Name
MetaGamers

Symbol
METAGAMERS

Contract Address
0x8b0229C8427d413822A7Ebd31F48E3bcc0825eB8

Network
Binance Smart Chain

Language
Solidity

Deployment Date
March 16, 2023

Verified?
Yes

Total Supply
10,000,000,000,000

Status
Not launched

TAXES

Buy Tax
5%

Sell Tax
5%

*Taxes can be changed in future



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	10000000000000 METAGAMERS
Median Transfer Amount	10000000000000 METAGAMERS
Average Transfer Amount	10000000000000 METAGAMERS
First transfer date	2023-03-16
Last transfer date	2023-03-16
Days token transferred	1

SMART CONTRACT STATS

Calls Count	1
External calls	1
Internal calls	0
Transactions count	1
Uniq Callers	1
Days contract called	1
Last transaction time	2023-03-16 10:23:56 UTC
Created	2023-03-16 10:23:56 UTC
Create TX	0x4f1131186a709bd451f6fa395b3a01836041c5767011a175b95ca2d31beb3fbe
Creator	0x0a8b549cb33035eb6b7fa10af8550106182a5b5c



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

High Risk

No high risk-level threats found in this contract.

Low Risk

No low risk-level threats found in this contract.

Medium

No medium risk-level threats found in this contract.



FOUND THREATS

Informational

Owner can exclude address from fees.

Addresses excluded from fees won't be subject to tax deduction from the buys/sells/transfers that they make.

```
function excludeFromFee(address account) public onlyOwner {  
    _isExcludedFromFee[account] = true;  
}
```

Owner can set buy/sell fees without limit up to 3%.

Combined buy+sell=6%.

When fees are above 0, there will be certain amount of tokens that will be deducted from every transaction that users make.

Deducted amount will be as much as the fees % from total amount that user had bought, sold and/or transferred.

```
function setTaxFeePercent(uint256 taxFee) external onlyOwner() {  
    require (taxFee < 10, 'tax too high');  
    _taxFee = taxFee;  
}  
  
function setDevelopmentFeePercent(uint256 developmentFee) external onlyOwner() {  
    require (developmentFee < 10, 'development fee too high');  
    _developmentFee = developmentFee;  
}  
  
function setLiquidityFeePercent(uint256 liquidityFee) external onlyOwner() {  
    require (liquidityFee < 10, 'liquidity fee too high');  
    _liquidityFee = liquidityFee;  
}
```



FOUND THREATS

Informational

Owner can set max transaction limit but cannot lower it than 0.1% of total supply.

When such restrictions are in place, the users can transfer token amounts up to said restriction value.

```
function setMaxTxAmount(uint256 maxTxPPT) external onlyOwner() {  
    require (maxTxPPT > 0, "Cannot set transaction amount less than 1 PPT!");  
    _maxTxAmount = _tTotal.mul(maxTxPPT).div(10**3);  
}
```



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

MetaGamers

GOOD PRACTICES FOUND

- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner can set max transaction limit above 0.1% of total supply.
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



These tokenomics were found on the project's website at the time of the audit:

Token: MetaGamers

Symbol: METAGAMERS

Contract:

0x8b0229C8427d413822A7Ebd31F48E3bcc0825eB8

Decimal: 18

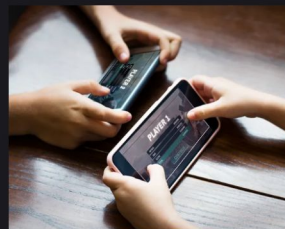
Max supply: 10,000,000,000,000

Devs/Marketing: 5%



2%

is redistributed to holders



2%

is used to fuel the liquidity
pool exchange growth



1%

is allocated to the
Marketing wallet

www.metagamers.at/tokenomics

TOKENOMICS



THE TEAM

! The team is
anonymous

KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





WEBSITE

Website URL

<https://www.metagamers.at/>

Domain Registry

<https://www.wix.com>

Domain Expiration

March 10, 2024

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Single page design,
appropriate color scheme.

Content

There is no explanatory
information about what the
project is all about.

No grammar mistakes
found .

Whitepaper

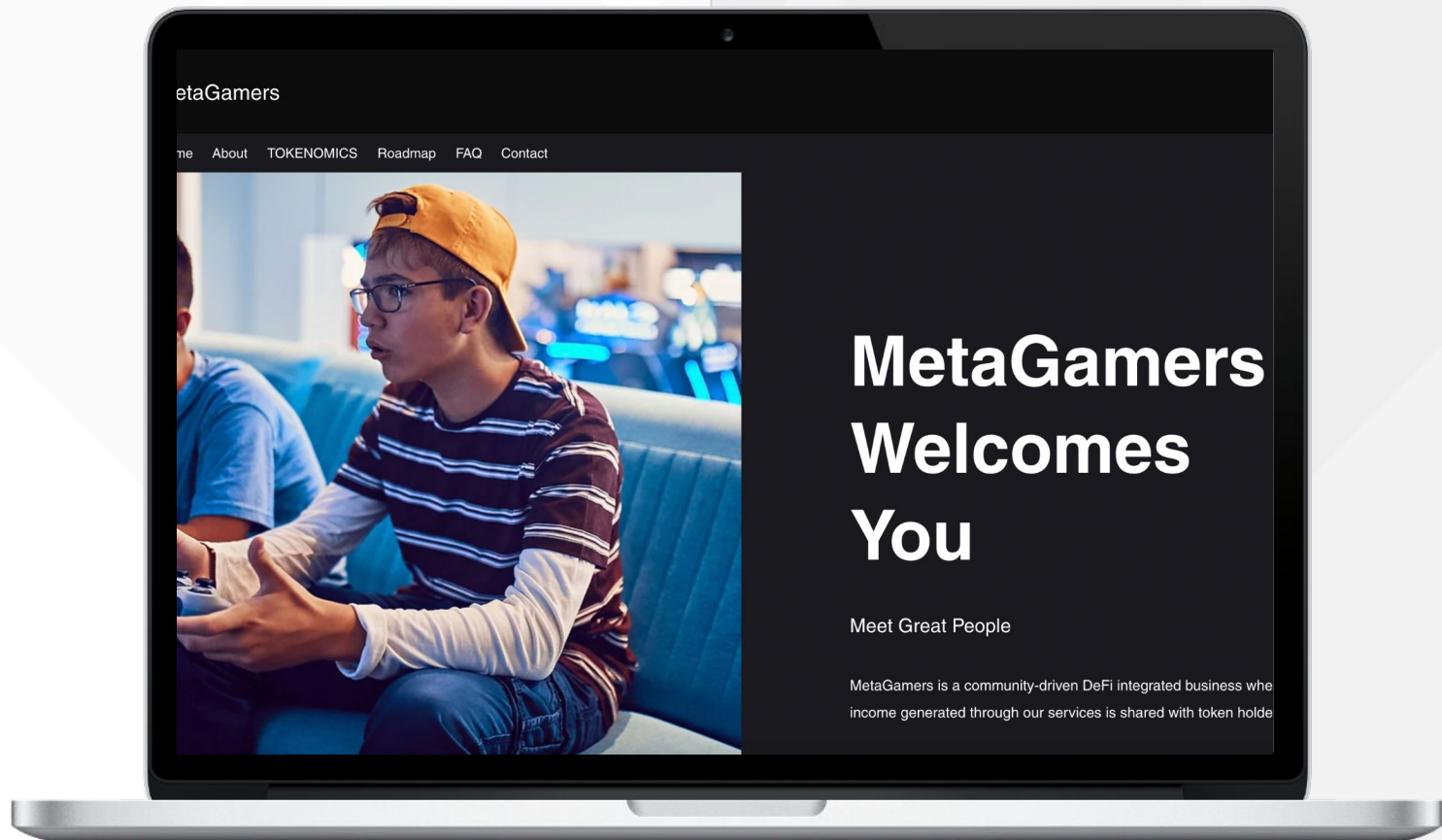
No

Roadmap

Yes, goals set without time
frames.

Mobile-friendly?

Yes



metagamers.at



SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

Project's social media
pages are new and
currently not active



Twitter

@MetaGamers_ad

- 1 follower
- 2 posts



Discord

- Not available



Telegram

<https://t.me/+g8eLJ4AJSqJlMjM0>

- 5 members
- No active users



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.